**Table S4** KEGG analysis of down-regulated genes between HC and SS

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Category** | **Description** | **LogP** | **Enrichment** | **Z-score** | **Count** | **GeneRatio** | **Hits** | **P value** |
| KEGG | TGF-beta signaling pathway  | -4.62035 | 52.93233 | 12.38584 | 3 | 15.78947 | MYC|TGFB3|THBS1 | 2.40E-05 |
| KEGG | MAPK signaling pathway  | -3.19468 | 17.43653 | 6.851015 | 3 | 15.78947 | FGF14|MYC|TGFB3 | 6.39E-04 |
| KEGG | MicroRNAs in cancer | -2.99468 | 14.87062 | 6.2654 | 3 | 15.78947 | MYC|SLC7A1|THBS1 | 1.01E-03 |
| KEGG | PI3K-Akt signaling pathway | -2.82702 | 13.00092 | 5.802036 | 3 | 15.78947 | FGF14|MYC|THBS1 | 1.49E-03 |
| KEGG | Pathways in cancer  | -2.6486 | 11.2565 | 5.334139 | 3 | 15.78947 | FGF14|MYC|TGFB3 | 2.25E-03 |